

AMENDMENT TO THE CLAIMS:

The following claim set replaces all prior versions, and listings, of claims in the application:

1. (previously presented) Oriented strand board (OSB), comprising a core layer and two face layers, whereby at least the face layers comprise an adhesive composition, wherein the adhesive composition in at least one of the face layers comprises a resin composition comprising melamine, formaldehyde, optionally urea and optionally an aromatic hydroxyl compound, and wherein the molar ratio of melamine to formaldehyde is 1:0.8 -1:4.0, the molar ratio of melamine to urea is 1:0 -1:2.0 and the molar ratio of melamine to aromatic hydroxyl compound is 1: 0-1: 2.0.

2. (original) Oriented strand board according to claim 1, wherein the resin composition has a molar ratio of melamine to formaldehyde of 1:1 - 1:3.0, a molar ratio of melamine to urea of 1:0.05 - 1:1.5 and a molar ratio of melamine to aromatic hydroxyl compound of 1:0 - 1:1.0.

3. (previously presented) Oriented strand board according to claim 1, wherein the aromatic hydroxyl compound comprises phenol.

4. (previously presented) OSB according to claim 1, wherein the core layer comprises an adhesive composition, whereby the adhesive composition in the core layer comprises a resin composition comprising melamine, formaldehyde, optionally urea and optionally an aromatic hydroxyl compound.

5. (original) OSB according to claim 4, wherein the resin in the adhesive composition in the core layer has a molar ratio of melamine to formaldehyde of 1:0.8 - 1:9, a molar ratio of melamine to urea of 1:0 - 1:6, and a molar ratio of melamine to aromatic hydroxyl compound of 1:0 - 1:2.

6. (original) OSB according to claim 5, wherein the resin in the adhesive composition in the core layer has a molar ratio of melamine to formaldehyde of 1:0.8 - 1:4 and a molar ratio of melamine to urea of 1:0 - 1:2.

7. (previously presented) Oriented strand board according to claim 1, wherein the resin in the adhesive composition of the core layer is the same as the resin in the adhesive composition of at least one of the face layers.

8. (previously presented) Oriented strand board according to claim 1, wherein the amount of resin in the at least one face layer is 2.5 - 8 wt% dry resin/dry wood.

9. (previously presented) Oriented strand board according to claim 4, wherein the amount of resin in the core layer is 2.5 - 8 wt% dry resin/dry wood.

10. (previously presented) Oriented strand board according to claim 1, wherein the amount of urea in a face layer is 0 - 0.025 kg/kg face layer.

11. (original) Oriented strand board according to claim 10, wherein the amount of urea in a face layer is 0.005 - 0.015 kg/kg face layer.

12. - 17. (cancelled)

18. (currently amended) Process for the preparation of an oriented strand board (OSB), comprising the steps of:

a) preparing an adhesive composition comprising a resin composition comprising melamine, formaldehyde, optionally urea and optionally an aromatic hydroxyl compound, wherein the molar ratio of melamine to formaldehyde is 1:0.8 - 1:4.0, the molar ratio of melamine to urea is 1:0 - 1:2.0 and the molar ratio of melamine to aromatic hydroxyl compound is 1:0 - 1:2.0;

b) treating wood strands with the adhesive composition;

c) scattering adhesive-treated wood strands for a face layer, a core layer on top of the face layer, and again a face layer on top of the core layer, whereby the wood strands of at least one face layer were treated with the adhesive composition prepared in a);

d) pressing the wood strands, whereby the adhesive composition is at least partially cured, to form an OSB.

19. (original) Process for the preparation of an OSB according to claim 18, wherein the wood strands of the face layers and of the core layer were treated with an adhesive composition as prepared in step a).

20. – 21. (cancelled)

22. (previously presented) Process according to claim 18, wherein the resin composition as used in step a) has a solids content of 65 - 75%.

23. (cancelled)

24. (previously presented) Oriented strand board (OSB) which is made by the process of claim 22.